



10-3-04

[F]

Customer No.: 07278

Docket No.: 06727/1201142-US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Anat BREMLER BARR et al.

Serial No.: 10/821,804

Filed: April 8, 2004

For: SELECTIVE DIVERSION AND INJECTION OF COMMUNICATION TRAFFIC

December 2, 2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed: (Check one of the boxes A-D)

- A. Within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- C. after (A) and (B) above, but before the mailing date of a final rejection, a notice of allowance, or any other action that closes prosecution, and Applicants have made the necessary statement in box "i" below or paid the necessary fee in box "ii" below.

(check one of the boxes "i" and "ii" below:)

- [] i. Counsel states that, upon information and belief, each item of information listed herein was either (a) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
- [] ii. A check for the fee set forth in 1. 17(p), presently believed to be \$180, is enclosed.

[] D. after (A), (B) and (C) above, but before payment of the issue fee: Counsel states that, upon information and belief, each item of information listed herein was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS; or (ii) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.

- [] i. A check for the fee set forth in 1.17 (p), presently believed to be \$180, is enclosed.

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO/SB/08) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A, B and/or C and fill in blanks, if appropriate.)

- [x] A. Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.98(a)(2)(i), a copy/copies of the United States Patent on PTO/SB08 is/are not being submitted.
- [] B. Document(s) _____ is (are) deemed substantially cumulative to document(s) _____, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.
- [] C. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:

[SERIAL NO. & FILING DATE].

Applicant Identifies these documents by attaching hereto copies of the forms PTO-892 and PTO/SB08 from the files of the prior application(s) or a fresh PTO/SB/08 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

3. Document(s) _____ are not in the English language. In accordance with 1.98(c), Applicant states:

- An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application is enclosed.
- A concise explanation of the relevance of document(s) _____ is found in the attached search report (see MPEP (609 A(3)x).
- A concise explanation of the relevance of document(s) _____ is set forth as follows: [Insert concise explanation of relevance]
- A concise explanation of the relevance of document(s) _____ can be found on page(s) _____ of the specification.
- A concise explanation of document(s) _____ can be found on the attached sheet.

4. No explanation of relevance is necessary for documents in the English language (see MPEP (609 A(3)).

5. Other information being provided for the examiner's consideration follows:

[A/An _____ Search Report, dated _____, which issued during the prosecution of _____ Application No. _____ which corresponds to the present application.]

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in (1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

CROSS REFERENCE UNDER 37 C.F.R. (1.78 TO RELATED APPLICATIONS

Pursuant to 37 C.F.R. (1.78, Applicant notes that the above-identified patent application may be related to the following U.S. Patent Applications:

(1) U.S. Patent Application Serial No _____, filed _____.

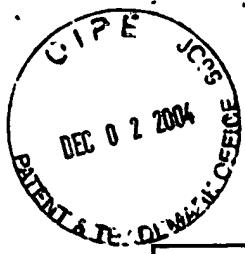
Early and favorable consideration is earnestly solicited.

Respectfully submitted,



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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
Sheet	1	of	2	Application Number	10/821,804-Conf. #9051
				Filing Date	April 8, 2004
				First Named Inventor	Anat B. Barr
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	06727/1201142-US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AA**	US-6,397,335-B1	05/2002	Franczek et al.		
AB**	US-6,513,122-B1	01/2003	Magdych et al.		
AC**	US-2002/0083175-A1	06/2002	Afek et al.		
AD**	US-6,778,495-B1	08/2004	Blair		
AE**	US-6,567,380-B1	05/2003	Chen		
AF**	US-6,598,034-B1	07/2003	Kloth		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
					T ⁶

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ** Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.98(a)(2)(i), a copy of the United States Patent on PTO/SB08 is not submitted. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
CA	J.C.R. Bennett et al., "Hierarchical Packet Fair Queueing Algorithms", 1996.				
CB	J.C.R. Bennett, et al., "High Speed Scalable and Accurate Implementation of Fair Queueing Algorithms in ATM Networks", 1996.				
CC	J.C.R. Bennett et al., "WF2Q: Worst-Case Fair Weighted Fair Queueing", 1996.				
CD	F.M. Chiussi et al., "Implementing Fair Queueing in ATM Switches: The Discrete-Rate Approach", 1998.				
CE	F.M. Chiussi et al., "Minimum-Delay Self-Clocked Fair Queueing Algorithm For Packet-Switched Networks", 1998.				
CF	A. Demers et al., "Analysis and Simulation of a Fair Queueing Algorithm", 1989 Association for Computing Machinery.				
CG	D.A. Eckhardt et al., "Effort-limited Fair (ELF) Scheduling for wireless Networks", IEEE INFOCOM 2000.				
CH	S.J. Golestani "Networks Delay Analysis of a Class of fair Queueing Algorithms", IEEE Journal on Selected Areas in Communications, Vol. 13, No. 6, August 1995, pp. 1057-1070.				
CI	S.J. Golestani "A Self-coded Fair Queueing Scheme for Broadband Applicants", IEEE 1994, pp. 5c1.1-5c1.11.				
CJ	Albert G. Greenberg et al., "How Fair is Fair Queueing? Journal of the Association for Computing Machinery Vol. 39, No. 3, July 1992, pp. 568-598.				

Examiner Signature	Date Considered
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<p>Substitute for form 1449A/B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/821,804-Conf. #9051
				Filing Date	April 8, 2004
				First Named Inventor	Anat B. Barr
				Art Unit	N/A
Examiner Name	Not Yet Assigned				
Sheet	2	of	2	Attorney Docket Number	06727/1201142-US1

CK	A.K.J. Parekh "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks", Ph.D. dissertation Massachusetts Institute of Technology, February 1992.
CL	A.K.J. Parekh, "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Multiple Node Case", IEEE/ACM Transactions on Networking Vol. 1, No. 2, April 1992, pp. 137-150.
CM	A.K.J. Parekh, "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Single-Node Case", IEEE/ACM Transactions on Networking Vol. 1, No. 3, June 1993, pp. 344-357.
CN	"Quality of Service Networking", downloaded from the web (address: http://www.cisco.com/univercd/cc/rd/doc/cisintwk/ito_doc/qos.htm), Cisco Systems, Inc. 2002.
CO	J.L. Rexford, et al., "Hardware Efficient Fair Queueing Architectures for high-speed networks", IEEE 1996, pp. 5d.2.1-5d.2.9.
CP	M. Shreedhar, et al., "Efficient Fair Queueing Using Deficit Round-Robin", IEEE/ACM Transactions on networking Vol. 4, No. 3, June 1996, pp. 375-385.
CQ	D. Stiliadis, et al., "Frame-Based Fair Queueing: A New Traffic Scheduling Algorithm for Packet-Switched Networks", July 1995, pp. 1-43.
CR	Rekhter et al., in Request for Comments (RFC) 1771 of the IETF, "A Border Gateway Protocol 4 (BGP-4)" 1995.
CS	"Configuring Policy-Based Routing" 2004, (www.cisco.com/en/US/products/sw/iosswrel/ps1831/products_configuration_guide_chapter09186a00800c60d2.html).
CT	Semeria, "Filter Based Forwarding" 2001, (www.juniper.net/solutions/literature/white_papers/552004).
CU	"Designing MPLS Extensions for Customer Edge Routers", (Product Bulletin No. 1575, 2003), www.cisco.com/warp/public/cc/pd/rt/2600/prodlt/1575_pp.htm .
CV	Rosen, et al., in IETF RFC 3031, "Multiprotocol Label Switching Architecture", January 2001.
CW	Farinacci, et al., in IETF RFC 2784, "Generic Routing Encapsulation", 2000.
CX	Perkins, in IETF RFC 2003, "IP Encapsulation within IP", 1996.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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